

CHEMISTRY

- C1** Ahsan, Syaiful Camphoric acid-derived biobased (co)polyesters: Synthesis and enzymatic degradation (RuG)
- C2** Alves Freitas, Walber Reuse of lignin and cellulose as a biobased alternative for synthetic composites (RuG)
- C3** Andrade, Roberto Inhibiting shuttle effect with polyelectrolyte complex modified membrane in Li-S batteries (RuG)
- C4** Benninga, Joël Enzymatic depolymerization of polyester blends (RuG)
- C5** Burhani, Dian Preparation and characterization of PVA/nanocellulose composite membrane for microplastic removal (RuG)
- C6** Chen, Mokun Construction of glycoassemblies by preparing duplex-responsive triblock glycopolymers (RuG)
- C7** Darikwa, Tinashe Exploring polymer architecture control for improved inhibitor release (TUD)
- C8** Gao, Kai Lignin nanoparticles as highly efficient, recyclable emulsifiers for enhanced oil recovery (UT)
- C9** Germain, Lieke Thiourea hydrogen bonded self-healing solid polymer electrolytes for Li-S batteries (RuG)
- C10** Guo, Yunfei A mechanistic study of aromatic imide formation for high-performance poly(urethane imide)s (TU/e)
- C11** Guzik, Aleksander Hydrophobically modified block copolymer gelators based on electrostatically-driven self assembly (RuG)
- C12** Hafeez, Shahzad Phosphorus-based dynamic networks for recyclability and interfacial adhesion (TU/e)
- C13** Jongstra, Jesse Novel bio-based polyester(amides) synthesized from waste sugar beet pulp (RuG)
- C14** Kaymazlar, Elif Recyclable and self- healable underwater adhesive PDMS (TUD)
- C15** Lemos de Morais, Ana Characterization of compounds based on biopolymer matrix with triethyl citrate (TEC) and lauric acid (LA) (RuG)
- C16** Moreira Grilo, Luan Diels-Alder polymers based on renewable furanic cyclobutanes (RuG)
- C17** Naim, Khalid Investigating a new class of mechanophores and tuning their optical properties, mechanical properties and photosensitization (TU/e)
- C18** Pelras, Théophile Enzymatic synthesis of peptide oligomers from amino acids with hydrophobic side-groups (RuG)

- C19** Poniatowska, Jadwiga Solvent separations with cholesteric liquid crystalline polymer membranes (TU/e)
- C20** Post, Cornelis Biobased 2,5-bis(hydroxymethyl)furan as a building block for sustainable polyesters (RuG)
- C21** Qiu, Xia Dextrin-based thermo-responsive hydrogels (RuG)
- C22** Silvianti, Fitrilia Enzymatic synthesis of furanic-aliphatic polyesters: Isomeric substitution effects (RuG)
- C23** Sun, Siwen Engineering transient dynamics of artificial cells by stochastic distribution of enzymes (TU/e)
- C24** Thomou, Eleni Evaluation of additives' effect on PET recycling (RuG)
- C25** Türel, Tankut Chemically recyclable epoxy resins derived from biorenewable resources (TU/e)
- C26** Wang, Changlin Closed-loop recyclable high performance polyimine aerogels derived from bio-based resources (TU/e)
- C27** Wink, Roy Increased stability for phosphate ester dynamic covalent networks (TU/e)
- C28** Yesil Gur, Isil Development of nanoreactors for polyolefin recycling (TU/e)
- C29** Zhang, Tao Recyclable polyurethane-based photoresin for 3D printing based on dynamic covalent bonds (RuG)
- C30** Zhang, Yuxuan Single-ion conducting electrolytes for safe and efficient lithium batteries using poly(allyl-glycidyl-ether) (RuG)

BIOMEDICAL

- B1** Brock, Kimberley Thiol-mediated coupling chemistry as a crosslinking method to prepare dynamic, self-healing hydrogels (UT)
- B2** Guo, Yunqi Preparation of Hybrid Nanomotors for Efficient Tumor Therapy (TU/e)
- B3** Li, Rui Contact killing by covalently immobilized cationic hydrophilic antibacterial coatings on titanium due to electrostatic stress (RuG)
- B4** Li, Yudong Facile Preparation of Rapamycin-loaded PEG-PLA Nanoparticles for Immunotherapy (TU/e)
- B5** Wu, Xixi Melt electro-written scaffolds enriched in fluorescent nanodiamonds for improved mechanical properties and degradation monitoring (RuG)

PHYSICS & THEORY

- P1** Raja, Anand Trends in the Consistency Index of Screened and Unscreened Concentrated Biopolymer Systems (TUD)
- P2** Ritsema van Eck, Guido Anomalous vapor swelling in polymer brushes (UT)
- P3** Veldscholte, Lars Vapour sorption in polydisperse polymer brushes (UT)

TECHNOLOGY

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|------------|----------------------|---|
| T1 | Bahçeci, Ekrem | Leveraging morphology for design of complex materials for 4D printing: Towards resolving two interacting ellipsoids using AI (TU/e) |
| T2 | Berlo van, Frank | Focused ultrasound 3D printing (TU/e) |
| T3 | Broek van, Sten | Crack growth in isotactic Polypropylene: Effect of molecular weight and temperature (TU/e) |
| T4 | Geveling, Rosa | PEEK: from structure to properties (TU/e) |
| T5 | Gracht van den, Coen | Surface deformation of rheologically complex fluids upon air jet impingement (TU/e) |
| T6 | Heugten van, Paul | Structural performance of reversible dynamic materials (TU/e) |
| T7 | Maaskant, Evelien | Renewable pigments based on carbohydrates and agro residues (WUR) |
| T8 | Milatz, Roland | Designer polydopamines for surface engineering (UT) |
| T9 | Rai, Parajal | Modeling and measuring local rheological properties of soft materials using magnetic microstructures (TU/e) |
| T10 | Safari, Maryam | Shining a light on sustainability: Bio-resourced photonic whitener (WUR) |
| T11 | Tavaststjerna, Miisa | Low-icing surfaces - The effect of patterning on surface freezing mechanisms (TUD) |
| T12 | Vogelzang, Willem | Assessment of the mechanical recycling potential of dynamic covalent thermoset with near-identical matrices (WUR) |